

ROUTING RECORD

DATE	FROM	TO	ACTION
DEC 21, 2011	RBC	ASA	C/O
2/14/12	ASA	RC	C/O RBC
FEB 16 2012	RBC	A/S	6-16846

REFERENCE TO OTHER APCD RECORDS INCLUDING VARIANCES

G3106

CLAT: 96

OXY USA INC
20101 GOLDENWEST ST
HUNTINGTON BEACH
OIL & GAS PRODUCTION

APPL # 529235
I.D. # 169754

Date: 11/08/11

THERMAL
OXIDIZER



South Coast Air Quality Management District

Form 400-CO**Application For Change Of Operator**Mail To:
SCAQMD
P.O. Box 4944
Diamond Bar, CA 91765-0944**Note 1:** A Change Of Operator Permit can only be issued if ALL of the following conditions apply:

- ① The existing permit is still **active** or can be **reinstated** to an active status;
② The equipment is operated at the same location as listed in the existing permit; AND
③ All fees due by previous operator must be paid.

Tel: (909) 396-3385
www.aqmd.gov**Note 2:** Submit one form for each application/permit.**Section A - Previous Operator Information**

1. Facility Name (Business Name of Operator As It Appears On The Permit):

AERA ENERGY LLC

2. Valid AQMD Facility ID (Available On Permit Or Invoice)
Issued By AQMD: 104017/169754**Section B - New Operator Information**

3. Business Name of Operator As It Should Appear On The Permit:

OXY USA INC.

New AQMD Facility ID
(TO BE COMPLETED BY AQMD)

4. Owner's Business Name (If different from Business Name of Operator):

Section C - Equipment Location Address5. ☒ Fixed Location ☐ Various Location

(For equipment operated at various locations, provide address of initial site.)

20101 GOLDENWEST ST

Street Address

HUNTINGTON BEACH

CA 92648

City

State

Zip

DIANA LANG

ENV. COORD

Contact Name

Title

(562) 624-3314

(562) 624-3224

Phone #

Ext.

Fax #

DIANA_LANG@OXY.COM

E-Mail

Section D - Permit Mailing Address

6. Permit and Correspondence Information:

☐ Check here if same as equipment location address

111 W.OCEAN BLVD. SUITE 800

Address

LONG BEACH

CA 90802

City

State

Zip

DIANA LANG

ENV. COORD

Contact Name

Title

(562) 624-3314

(562) 624-3224

Phone #

Ext.

Fax #

DIANA_LANG@OXY.COM

E-Mail

Section E - Facility Business Information

7. What business is conducted at this location?

OIL AND GAS PRODUCTION

8. What is your primary NAICS Code (North American Industrial Classification System)?

211111

9. Are you a small business as per AQMD's Rule 102 definition?

(10 employees or less and total gross receipts are \$500,000 or less or a not-for-profit training center)

☒ No ☐ Yes**Section F - Application or Permit to be Transferred to New Operator**

10. Is this Change of Operator a full or partial transfer of all active permits?

☒ Full ☐ Partial

11. Application Number: 487556

12. Permit Number: 93106 (Please attach a copy)

For RECLAIM Facilities, ALSO Complete This Section (Also submit Form 2007-1, Form 2007-2 and if applicable, Form 2007-3, together with a separate filing fee for the transfer of RTC's as per Rule 301(0)(9):

Device number or range of device numbers for the permitted item: C213

Please be advised that you are applying to take over the operation of all or part of a RECLAIM facility and if any previous Facility Permit holder is found to have violated AQMD Rule 2004(d) - Prohibition of Emissions in Excess of Annual Allocation, during time periods prior to this change of operator, your facility Allocation will be reduced by the amount of excess emissions, as provided under Rule 2010(b)(1).**Section G - Signature and Authorization for Change of Operator**

	I HEREBY AGREE TO TRANSFER OPERATOR OF THE PERMITTED EQUIPMENT AS SPECIFIED ABOVE, FOR THIS FACILITY, TO THE NEW LEGAL OPERATOR, IDENTIFIED IN SECTION B.	Checklist
Previous Operator	13. Signature of Responsible Official: <i>at p. used</i> 15. Title of Responsible Official: MANAGER OF OPS - LA BASIN	14. Date: Nov 1, 2011 16. Phone: 714 969-3533 <input checked="" type="checkbox"/> Form signed? <input checked="" type="checkbox"/> Payment attached?
New Operator	17. Signature of Responsible Official: <i>Chack S. Kaperian</i> 19. Title of Responsible Official: VP - ENGINEERING & OPERATIONS	18. Date: Nov 1, 2011 20. Phone: 562-495-9348 <input checked="" type="checkbox"/> Copy of existing permit attached? <input checked="" type="checkbox"/> Form 400-CEQA attached?

AQMD USE ONLY	APPLICATION TRACKING #	CHECK #	AMOUNT RECEIVED	PAYMENT TRACKING #	VALIDATION
DATE: 11/12/2011	589235	5030570	\$ 14,125.54		11/02/11
DATE: 11/12/2011	APP REG	CLASS: I III	EQUIPMENT CATEGORY CODE	TEAM	ENGINEER
					REASON ACTION TAKEN

(98034)

15120

SCAQMD PERMIT PROCESSING SYSTEM (PPS)

FEE DATA - SUMMARY SHEET

Application No : 529235

IRS/SS No:

Previous Application No: 487556

Previous Permit No: G3106

Company Name : OXY USA INC

Facility ID: 169754

Equipment Street: 20101 GOLDENWEST ST , HUNTINGTON BEACH CA 92648

Equipment Desc: TAIL GAS INCINERATOR

Equipment Type : CONTROL

Fee Charged by: C-CAT

B-CAT NO. : 000000

C-CAT NO: 96

Fee Schedule: D

Facility Zone : 18

Deemed Compl. Date: 12/8/2011

Public Notice: NO

Evaluation Type : CHANGE OF OPERATOR (PO)

Small Business: ☐

Disposition : Approve PO, Recommended by Engineer

Higher Fees for Failing
to Obtain a Permit: ☐

Lead Appl. No :

Identical Permit Unit: ☐

Air quality Analysis	\$0.00	Filing Fee Paid:	\$0.00
E.I.R	\$0.00	Permit Processing Fee Paid:	\$508.28
Health Risk Assessment	\$0.00	Permit Processing Fee Calculated*:	\$508.28
Public Notice Preparation Fee	\$0.00	Permit Processing Fee Adjustment:	\$0.00
Public Notice Publication Fee	\$0.00		
Expedited Processing	Hours: 0.00 \$0.00		
Source Test Review	Hours: 0.00 \$0.00		
Time & Material	Hours: 0.00 \$0.00		
		Total Additional Fee:	\$0.00
		Additional Charge:	\$0.00

COMMENTS:

RECOMMENDED BY: HAMILTON A STODDARD

DATE: 02/03/2012 FEB 16 2012

REVIEWED BY: _____

DATE: _____

* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY

SCAQMD PERMIT PROCESSING SYSTEM (PPS)

AEIS DATA SHEET

Company Name : OXY USA INC

Facility ID : 169754

Equipment Address : 20101 GOLDENWEST ST

HUNTINGTON BEACH CA 92648

Application Number : 529235

Equipment B-Cat :

Estimated Completion Date : 02/09/12

Equipment C-Cat : 96

Equipment Type : Control

Equipment Description : TAIL GAS INCINERATOR

Emittants	Emissions	
	R1 LB/HR	R2 LB/HR
CO	0.14	0.14
NOX	0.07	0.07
PM10	0.01	0.01
ROG	0.01	0.01

Applicable Rules

1113	06/03/2011	Architectural Coatings
1173	02/06/2009	Fugitive Emissions of VOC
1176	09/13/1996	Sumps and Wastewater Separators
1401	09/10/2010	New Source Review of Toxic Air Contaminants
2000	05/06/2005	General (RECLAIM)
401	11/09/2001	Visible Emissions
402	05/07/1976	Nuisance
463	05/06/2005	Organic Liquid Storage

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Daily Start Times :	00:00	00:00	00:00	00:00	00:00	00:00	00:00
Daily Stop Times :	24:00	24:00	24:00	24:00	24:00	24:00	24:00

User's Initials : HS01

Date: 02/09/12

Supervisor's Name : _____

Review Date : ____ / ____ / ____

N S R D A T A S U M M A R Y S H E E T

Application No: 529235
Application Type: Change of Ownership
Application Status: PENDAPPRV
Previous Apps,Dev,Permit #: 487556, 0 - ,, NONE

Company Name: OXY USA INC
Company ID: 169754
Address: 20101 GOLDENWEST ST,HUNTINGTON BEACH, CA
RECLAIM: NOX
RECLAIM Zone: 01
Air Basin: SC
Zone: 18
Title V: NO

Device ID: 0 -
Estimated Completion Date: 07-04-2012
Heat Input Capacity: 0 Million BTU/hr
Priority Reserve: NONE - No Priority Access Requested
Recommended Disposition: 31 - PERMIT TO OPERATE GRANTED
PR Expiration:
School Within 1000 Feet: NO
Operating Weeks Per Year: 52
Operating Days Per Week: 7
Monday Operating Hours: 00:00 to 24:00
Tuesday Operating Hours: 00:00 to 24:00
Wednesday Operating Hours: 00:00 to 24:00
Thursday Operating Hours: 00:00 to 24:00
Friday Operating Hours: 00:00 to 24:00
Saturday Operating Hours: 00:00 to 24:00
Sunday Operating Hours: 00:00 to 24:00

Emittant: CO
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.14 lbs/hr
Max Daily: 3.36 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.14 lbs/hr
Max Daily: 3.36 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 3 lbs/day
Annual Emission: 1223.04 lbs/yr
District Exemption: None

Emittant: NOX
BACT:
Cost Effectiveness: NO
Source Type: MAJOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.07 lbs/hr
Max Daily: 1.68 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.07 lbs/hr
Max Daily: 1.68 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 2 lbs/day
Annual Emission: 611.52 lbs/yr
District Exemption: None

Emittant: PM10
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.01 lbs/hr
Max Daily: 0.24 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.01 lbs/hr
Max Daily: 0.24 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 130 lbs/yr
District Exemption: None

Emittant: ROG
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.01 lbs/hr
Max Daily: 0.24 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.01 lbs/hr
Max Daily: 0.24 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 121 lbs/yr
District Exemption: None

Emittant: SOX
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.01 lbs/hr
Max Daily: 0.01 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.01 lbs/hr
Max Daily: 0.01 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 0.01 lbs/yr
District Exemption: None

SUPERVISOR'S APPROVAL: _____ SUPERVISOR'S REVIEW DATE: _____

Processed By: hamiltos 2/14/2012 2:40:45 PM

ROUTING RECORD			
DATE	FROM	TO	ACTION
SEP 15 2008	MYL	CB	JTL
5/20/09	CSB	JTY	P/O Recommendation

Batch # 16019

C3106

AN 529235

AERA ENERGY LLC
20101 GOLDENWEST ST
HUNTINGTON BEACH
THERMAL OXIDIZER

APPL # 487556
I.D. # 104017

Date: 08/29/08



South Coast Air Quality Management District

Form 400-A**Application For Permit To Construct and Permit To Operate**Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765Tel: (909) 396-3385
www.aqmd.gov**Section A: Operator Information**

1. Business Name of Operator To Appear On The Permit:

Aera Energy, LLC

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD):

104017

3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address:

For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

20101 Golden West Street

Street Address

Huntington Beach

City

CA

90740

State

Zip Code

County: ☐ Los Angeles ☒ Orange ☐ San Bernardino ☐ Riverside

Contact Name: Susan Perrell

Contact Title: Environmental Advisor

Phone: (714) 743-4396

Fax: (714) 969-3364

E-Mail: sperrell@aeraenergy.com**Section C: Permit Mailing Address**

5. Permit and Correspondence Information:

☒ Check here if same as equipment location address

Street Address

City

State

Zip Code

Contact Name:

Contact Title:

Phone:

Fax:

E-Mail:

Section D: Application TypeThe facility is in ☐ RECLAIM ☐ Title V☒ RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

☐ New Construction (Permit to Construct)☐ Permitted Equipment Altered/ Modified Without Permit Approval☐ Equipment Operating Without A Permit or Expired Permit☐ Proposed Alteration/Modification to Permitted Equipment☒ Administrative Change☐ Change of Condition For Permit To Operate☐ Equipment On-Site But Not Constructed or Operational☐ Change of Condition For Permit To Construct☐ Title V Application (Initial, Revisions, Modifications, etc.)☐ Change of Location—Moving to New Site☐ Compliance PlanExisting Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit Application Number)☐ Facility Permit Amendment☐ Registration/Certification☐ Streamlined Standard Permit

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D))

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY):

8. Description of Equipment:

A/N # 436452 Thermal Oxidizer

Devices to move from Non-Title V permit to Title V permit per Condition 130.1: C213

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction?

☒ No ☐ Yes

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition?

(10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?) ☒ No ☐ Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?

☒ No ☐ Yes If yes, provide NOV/NC #:**Section E: Facility Business Information**

13. What type of business is being conducted at this equipment location?

Oil and Gas Production

14. What is your business's primary NAICS Code (North American Industrial Classification System)?

211111

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator?

☒ No ☐ Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location?

☒ No ☐ Yes**Section F: Authorization/Signature** I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official:

18. Title:

Manager of Operations

19. Print Name:

William A. Morris

20. Date:

8-18-08

Check List

- ☐
- Form(s) signed and dated by authorized official
-
- ☒
- Supplemental Equipment Form (400-E-XX or 400-E-GEN)
-
- ☒
- CEQA Form (400-CEQA) attached
-
- ☐
- Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY		APPLICATION/TRACKING #	TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION
ENG. A	R	487556	B/C/D	96	\$	8/29/08 mr
ENG. A	R		CLASS	ASSIGNMENT	CHECK/MONEY ORDER	AMOUNT
DATE	DATE		I II IV	Unit E Engineer CSB	000428147	11074.63

© South Coast Air Quality Management District, Form 400-A (2006.02)

11-4-08

(73257)

- Type 63 admin. correction
No eng. eval.
\$670.50

9/15

SCAQMD PERMIT PROCESSING SYSTEM (PPS)
FEE DATA - SUMMARY SHEET

Application No : 487556
Previous Application No: 436452

31

IRS/SS No:
Previous Permit No: F87072

Company Name : AERA ENERGY LLC
Equipment Street: 20101 GOLDENWESTST , HUNTINGTON BEACH CA 92648
Equipment Desc: TAIL GAS INCINERATOR

Facility ID: 104017

Equipment Type: CONTROL

Fee Charged by: C-CAT

B-CAT NO. : 000000

C-CAT NO: 96

Fee Schedule: D

Facility Zone : 18

Deemed Compl. Date: 9/28/2008

Public Notice: NO

Evaluation Type: CHANGE OF CONDITIONS, ACTUAL OPER. COND. (PO)

Small Business: ☐

Disposition : Approve PO, Recommended by Engineer

Higher Fees for Failing
to Obtain a Permit: ☐

Lead Appl. No :

Identical Permit Unit: ☐

Air quality Analysis		\$0.00	Filing Fee Paid:	\$0.00
E.I.R		\$0.00	Permit Processing Fee Paid:	\$670.50
Health Risk Assessment		\$0.00	Permit Processing Fee Calculated*:	\$670.50
Significant Project		\$0.00	Permit Processing Fee Adjustment:	\$0.00
Expedited Processing	Hours: 0.00	\$0.00		
Source Test Review	Hours: 0.00	\$0.00		
Time & Material	Hours: 0.00	\$0.00		
			Total Additional Fee:	\$0.00
			Additional Charge:	\$0.00

COMMENTS:

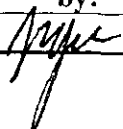
RECOMMENDED BY: C S BHATT

DATE: 05/14/2009

REVIEWED BY: SP/2

DATE: 5/27/9

* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION EVALUATION AND CALCULATIONS	No. of Pages 19	Page No. 1
	Appl. No. 487541-563	Date May 4, 09
	Energy Team	Approved by:
	C. S. Bhatt	

PERMIT TO OPERATE

OWNER/OPERATOR: Aera Energy LLC

CONTACT: Ms. Susan Perrell

COMPANY ID: 104017

EQUIPMENT LOCATION: 20101 Goldenwest Street
Huntington Beach, CA 92648

EQUIPMENT DESCRIPTION:

A/N 487541

A/N 484374

Alter the existing Crude oil/gas/water Separation System [Process 1, System 1, (P/O No. F99878, A/N 484374)] by deleting Pit No. 1 (Device D17) and removing permit condition I30.1 as Aera is now a Title V facility. These are Admin. type changes.

Please see equipment description on next page.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION EVALUATION AND CALCULATIONS	No. of Pages 19	Page No. 2
	Appl. No. 487541-563	Date May 4, 09
	Energy Team	Approved by:
	C. S. Bhatt	

Section D: Facility Description and Equipment Specific Conditions

DESCRIPTION	ID No	Connected to	Source Type/ Monitoring Unit	Emission	Conditions/ comments
Process 1 (Crude Oil/Gas Production), System 1 (Crude oil/gas/water Separation)					
Vessel, V-104, Free water knockout, 10' D x 40' L. A/N 484374 487541	D1				130.4
Vessel, V-107, Free water knockout, 12' D x 60' L. A/N 484374 487541	D2				130.4
Vessel, V-108, Free water knockout, 12' D x 60' L. A/N 484374 487541	D3				130.4
Vessel, V-109, Free water knockout, 12' D x 60' L. A/N 484374 487541	D4				130.4
Vessel, V-110, Free water knockout, 12' D x 60' L. A/N 484374 487541	D5				130.4
Vessel, V-111, Free water knockout, 10' D x 60' L. A/N 484374 487541	D6				130.4
Vessel, V-114, Free water knockout, 12' D x 40' L. A/N 484374 487541	D7				
Vessel, V-115, Free water knockout, 12' D x 60' L. A/N 484374 487541	D8				130.4
Tank, Holding, T-101, Crude Oil, vented to Vapor Recovery Compressor, 2,000 bbl, 29' - 9" D x 16' H., A/N 484374 487541	D10				E57.1, E127.1, H23.5, 130.4
Tank, Holding, T-102, Crude Oil, vented to Vapor Recovery Compressor, 2,000 bbl, 29' - 9" D x 16' H., A/N 484374 487541	D11				E57.1, E127.1, H23.5, 130.4
Tank, Holding, T-103, Wet Oil Divert, vented to Vapor Recovery Compressor, 2,000 bbl, 29' - 9" D x 16' H.. A/N 484374 487541	D12				E57.1, E127.1, H23.5, 130.4

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION EVALUATION AND CALCULATIONS	No. of Pages 19	Page No. 3
	Appl. No. 487541-563	Date May 4, 09
	Energy Team	Approved by:
	C. S. Bhatt	

Section D: Facility Description and Equipment Specific Conditions

DESCRIPTION	ID No.	Connected to	Source Type/ Monitoring Unit	Emission	Conditions/ comments
Process 1 (Crude Oil/Gas Production), System 1 (Crude oil/gas/water Separation)					
Tank, Holding, T-104, Wet Oil Divert, vented to Vapor Recovery Compressor, 2,000 bbl 29' - 9" D x 16' H., A/N 484374 487541	D13				E57.1, E127.1, H23.5, I30.1
Tank, Holding, T-318, Skim Oil, vented to Vapor Recovery Compressor, 5,000 bbl 38' - 8" D x 24' H. A/N 484374 487541	D15				E57.1, E127.1, H23.5, I30.1
Pit, No. 1, Covered, Wet Oil, vented to Vapor Recovery Compressor, 59' - 6" L. x 40' - 6" W. A/N 484374 487541	D17		<u>Removed from service</u>		E57.1, H23.4, I30.1
Vessel, Separator, V-150, Relief Knockout Drum, 10' D x 40' L. A/N 484374 487541	D41				H23.3
Tank, T-317, Surge/ Skim Oil-Wastewater, vented to Vapor Recovery Compressor, 5,000 bbl 38' - 8" D x 24' H. A/N 484374 487541	D14				E57.1, E127.1, H23.5, I30.1, K67.5

The above equipment description is as per the existing permit (P/O F99878, A/N 484374) and the proposed modification done as per A/No. 487541

A/N 487542

A/N 484375

Alter the existing wastewater treatment system [Process 1, System 2, (P/O No. F99877, A/N 484375)] by deleting Surge Tanks, T-326, T-327 and T-328 (Devices D28, D29, and D30) and removing permit condition I30.1 as Aera is now a Title V facility. These are Admin. type changes.

Please see equipment description on next page.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION EVALUATION AND CALCULATIONS	No. of Pages 19	Page No. 4
	Appl. No. 487541-563	Date May 4, 09
	Energy Team	Approved by:
	C. S. Bhatt	

Section D: Facility Description and Equipment Specific Conditions

DESCRIPTION	ID No.	Connected to	Source Type/ Monitoring Unit	Emission	Conditions/ comments
Process 1 (Crude Oil/Gas Production), System 2 (Wastewater Treatment)					
Floation Unit, Wemco, T-337, vented to Vapor Recovery Compressor, 550 bbl A/N 484375 487542	D23				E127.1, H23.4, I30.4
Floation Unit, Wemco, T-338, vented to Vapor Recovery Compressor, 550 bbl A/N 484375 487542	D24				E127.1, H23.4, I30.4
Tank, T-317, Surge/Skim Oil-Tank, Wastewater, vented to Vapor Recovery Compressor, 5,000 bbl 38' – 8" D x 24' H., A/N 484374 487541	D14				E57.1, E127.1, H23.5, I30.4, K67.5
Tank, Holding, T-350, Injection Water, vented to Vapor Recovery Compressor, 5,000 bbl 38' – 8" D x 24' H., A/N 484375 487542	D215				E57.1, E127.1, H23.5, I30.4
Tank, storage, T-326, Rain Water, 2,300 bbl 29' D x 20' H A/N 484375 487542	D28		Removed from service		I30.4
Tank, storage, T-327, Rain Water, 2,300 bbl 29' D x 20' H A/N 484375 487542	D29		Removed from service		I30.4
Tank, storage, T-328, Rain Water, 2,300 bbl 29' D x 20' H A/N 484375 487542	D30		Removed from service		I30.4
Tank, storage, T-360, Rain Water, 2,000 bbl 29' – 9" D x 16' H A/N 484375 487542	D34				I30.4
Oil Water Separator, T-339, 1,000 bbl capacity, vented to Vapor Recovery Compressor, 12' Dia. x 60' L. A/N 484375 487542	D36				E57.1, E127.1, H23.7, I30.4
Pit, No. 3, Covered, Skim Oil, vented to Vapor Recovery Compressor A/N 484375 487542	D40				E57.1, H23.4, I30.4

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION EVALUATION AND CALCULATIONS	No. of Pages 19	Page No. 5
	Appl. No. 487541-563	Date May 4, 09
	Energy Team	Approved by:
	C. S. Bhatt	

DESCRIPTION	ID No.	Connected to	Source Type/ Monitoring Unit	Emission	Conditions/ comments
Process 1 (Crude Oil/Gas Production), System 2 (Wastewater Treatment)					
Tank, Vacuum Truck Offloading, T-340, Oily Water, vented to Vapor Recovery Compressor, 180 bbl, 12' D x 15' - 1" H. A/N 484375 487542	D216				E57.1, E127.1, H23.3, I30.1
Tank, Vacuum Truck Offloading, , T-341, Oily Water, vented to Vapor Recovery Compressor, 180 bbl, 12' D x 15' - 1" H. A/N 484375 487542	D217				E57.1, E127.1, H23.3, I30.1
Tank, Holding, T-342, Oily Water, vented to Vapor Recovery Compressor, 1,000 bbl, 29' - 9" D x 8' H. A/N 484375 487542	D218				E57.1, E127.1, H23.5, I30.1
Tank, Holding, T-343, Oily Water, vented to Vapor Recovery Compressor, 1,000 bbl, 29' - 9" D x 8' H. A/N 484375 487542	D219				E57.1, E127.1, H23.5, I30.1
Tank, Holding, T-345, Process Drain/Rain Water, Sump Drain, vented to Vapor Recovery Compressor, 53 bbl, 12' L. x 5 W. x 5 H. A/N 484375 487542	D220				E57.1, E127.1, I30.1

The above equipment description is as per the existing permit (P/O F99877, A/N 484375) and the proposed modification done as per A/No. 487542

A/N 487545

A/N 480944

Alter the existing Gas Gathering System [Process 1, System 3, (P/O No. F96924, A/N 480944)] by deleting Fuel Gas Scrubbers V-322 (Device D82) and Lease 392 scrubber (Device D146), and removing permit condition I30.1 as Aera is now a Title V facility. These are Admin. type changes.

Please see equipment description on next page.

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Process 1: (CRUDE OIL/GAS PRODUCTION), System 3: (Gas Gathering)					
DESCRIPTION	ID No.	Connected to	Source Type/ Monitoring Unit	Emission	Condition /Comments
SCRUBBER, FUEL GAS, V-322, Diameter 1 Ft. 6 in x Height 6 Ft. A/N 480944 487545	D82		Removed from service		ISO-I
SCRUBBER, WET GAS, V-323, Diameter 4 Ft. 2 in x Length 10 Ft. A/N 480944 487545	D120				ISO-I
GAS SEPARATOR, V-100 (NORTH BOLSA), Venting to the Huntington Beach Gas Plant, Diameter 4 Ft. x Length 20 Ft. A/N 480944 487545	D19				ISO-I
SCRUBBER, SOUTH BOLSA, Diameter 3 Ft x Height 8 Ft A/N 480944 487545	D145				ISO-I
SCRUBBER, LEASE 392 A/N 480944 487545	D146		Removed from service		ISO-I
SCRUBBER, LEASE 425 A/N 480944 487545	D147				ISO-I
SCRUBBER, LEASE 426 A/N 480944 487545	D148				ISO-I
SCRUBBER, HIGH PRESSURE, Dia. 4' x Ht. 8' A/N 480944 487545	D128				ISO-I
SCRUBBER, LOW PRESSURE, Dia. 5' x Ht. 12' A/N 480944 487545	D130				ISO-I
SCRUBBER, INLET (EMMY HIGH PRESSURE GAS), Dia. 30" x Ht. 6' A/N 480944 487545	D170				ISO-I
SCRUBBER, OUTLET (EMMY HIGH PRESSURE GAS), Dia. 16" x Ht. 6' A/N 480944 487545	D171				ISO-I
SCRUBBER, EMMY LOW PRESSURE WET GAS, Dia. 5' x Ht. 12' A/N 480944 487545	D221				ISO-I

The above equipment description is as per the existing permit (P/O F96924, A/N 480944) and the proposed modification done as per A/No. 487545

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A/N 487547

A/N 416211

Alter the existing Gas Desulphurization System [Process 1, System 4 (Stretford Unit), (P/O No. F90627, A/N 416211)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

Process 1: (CRUDE OIL/GAS PRODUCTION), System 4: (Gas Desulphurization, Stretford Unit)					
DESCRIPTION	ID No.	Connected to	Source Type/ Monitoring Unit	Emission	Condition /Comments
SCRUBBER, V-1, Wet Gas, Diameter 6 Ft. x Height 13 Ft. 7 In. A/N 487547 416211	D42				I30.1
Absorber, V-2, (Stretford unit for H ₂ S absorption), Dia. 3 Ft. 6 In. x Height 25 Ft. A/N 487547 416211	D20				I30.1
Absorber, V-3, (Stretford unit for H ₂ S absorption), Dia. 3 Ft. 6 In. x Height 25 Ft. A/N 487547 416211	D43				I30.1
Absorber, V-5, (Stretford unit for H ₂ S absorption), Dia. 3 Ft. 6 In. x Height 25 Ft. A/N 487547 416211	D45				I30.1
Scrubber, V-4, Diameter 6 Ft. x Height 13 Ft. 7 In.. A/N 487547 416211	D46				I30.1
Process Tank, T-2, Reaction Tank, Dia. 12 Ft. x Ht. 9 Ft. 6 In. A/N 487547 416211	D47				I30.1
Process Tank, Unheated, Backup Sulfur Slurry Tank, Open Top, 470 BBL, 30 L. x 8 Ft. W. x 11 Ht. A/N 487547 416211	D172				I30.1
Process Tank, T-3, Oxidizer Tank, Dia. 12 Ft. x Ht. 20 Ft. 9 In. A/N 487547 416211	D48				I30.1
Process Tank, T-1, Unheated, Sulfur Slurry Holding Tank, Dia. 8 Ft. x Ht. 8 Ft. A/N 487547 416211	D83				I30.1
Storage Tank, Mixing Tank, Dia. 4 Ft. x Ht. 4 Ft.. A/N 487547 416211	D85				I30.1
Storage Tank, Stretford Solution, Dia. 10 Ft. x Ht. 10 Ft. A/N 487547 416211	D86				I30.1

The above equipment description is as per the existing permit (P/O F90627, A/N 416211) and the proposed modification done as per A/No. 487547

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A/N 487548

A/N 473512

Alter the existing Natural Gas Dehydration and Glycol Regeneration System [Process 1, System 6, (P/O No. F93233, A/N 473512)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

SECTION- D:- Permit to Operate

Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 6: Natural Gas Dehydration and Glycol Regeneration Unit					
Knockout Pot, V-601, compressor Suction, 6' Dia. x 12' L. A/N 473512 487548	D64				
Knockout Pot, V-602, compressor 1 st Stage Discharge, 30" Dia. x 8' H. A/N 473512 487548	D65				
Knockout Pot, V-606, compressor 2 nd Stage Discharge, 30" Dia. x 8' H. A/N 473512 487548	D133				
Vessel, V-604, H ₂ S Removal Tower (Packed with SulfaTreat or Equivalent Material), 6' Dia. x 20' H. A/N 473512 487548	D80				I30.1
Vessel, V-605, H ₂ S Removal Tower (Packed with SulfaTreat or Equivalent Material), 6' Dia. x 20' H. A/N 473512 487548	D101				I30.1
Vessel, Separator, V-603, Glycol 3' Dia. x 8' L. A/N 473512 487548	D79				
Knockout Pot, V-607, 30" Dia. x 8' H., Liquid Knockout. A/N 473512 487548	D134				

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SECTION- D:- Permit to Operate

Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 6: Natural Gas Dehydration and Glycol Regeneration Unit					
Vessel, V-701, Glycol Flash Drum, 30"Dia. x 8' L. A/N 473542 487548	D136	D194			
Vessel, V-801, Réfrigérant Compressor Suction Drum, 2' Dia. x 6' L. A/N 473542 487548	D137				
Vessel, V-802 Réfrigérant Surge Drum, 3'Dia. x 6' L. A/N 473542 487548	D138				
Vessel, Separator, V-803, Glycol 3'Dia. x 8' L. A/N 473542 487548	D139				
Storage Tank, T-703, Glycol. A/N 473542 487548	D141				
Sump, T-704, Glycol Collection A/N 473542 487548	D142				
Sump, T-705, Open Drain A/N 473542 487548	D143				
Glycol Still Column, T-701, 1' Dia. x 8' H. A/N 473542 487548	D173	D194			
Heat Exchanger, E-601, Compressor 1 st Stage Discharge Cooler, Air Cooled A/N 473542 487548	D174				

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SECTION- D:- Permit to Operate

Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 6: Natural Gas Dehydration and Glycol Regeneration Unit					
Heat Exchanger, E-602, Compressor 2 nd Stage Discharge Cooler, Air Cooled A/N 473542 487548	D175				
Heat Exchanger, E-603, Gas to Gas A/N 473542 487548	D176				
Heat Exchanger, E-604, Gas Chiller A/N 473542 487548	D177				
Heat Exchanger, E-701, Rich/Learn Glycol A/N 473542 487548	D178				
Heat Exchanger, E-702, Glycol Regenerator, Electrical, 142 KW A/N 473542 487548	D179				
Heat Exchanger, E-703, Glycol Regenerator Off-gas Cooler, Air Cooled A/N 473542 487548	D180				
Heat Exchanger, E-801, Refrigerant Condenser, Air Cooled A/N 473542 487548	D181				
Heat Exchanger, E-802, Lube Oil Cooler, Air Cooled A/N 473542 487548	D182				
Inlet Gas Coalescing Filter, F-901, 2' Dia. x 4' H. A/N 473542 487548	D183				ISO-1

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SECTION- D:- Permit to Operate

Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 6: Natural Gas Dehydration and Glycol Regeneration Unit					
Glycol Contact Tower, T-901, 1' - 2" Dia. x 29' H., Packed Column, with integral bottom scrubber and wire mesh screen A/N 473512 487548	D184				E30.1
Glycol Regeneration Column, T-902 A/N 473512 487548	D185	D194			E30.1
Rich Glycol Flash Drum, V-900 A/N 473512 487548	D186	D194			E30.1
Rich Glycol Particulate Filter, F-902 A/N 473512 487548	D187				E30.1
Rich Glycol Carbon Filter, F-903 A/N 473512 487548	D188				E30.1
Lean/Rich Glycol Exchanger, E-901 A/N 473512 487548	D189				E30.1
Glycol Re-boiler, V-901, Electrically heated, 40KW A/N 473512 487548	D190				E30.1
Glycol Stripping Column, T-903 A/N 473512 487548	D191				E30.1
Glycol Surge Drum, V-902 A/N 473512 487548	D192				E30.1
Lean Glycol Fin-Fan Cooler, E-900 A/N 473512 487548	D193				E30.1
Vapor Recovery Knockout Drum, V-904, Vented to Vapor Recovery System A/N 473512 487548	D194	D136, D173, D185, D186			E57.1, E30.1

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A/N 487549

A/N 425913

Alter the existing Natural Gas Dehydration System, (Platform Emmy Gas) [Process 1, System 7, (P/O No. F90352, A/N 425913)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

SECTION- D:- Permit to Operate

Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 7: Natural Gas Dehydration Unit (Platform Emmy Gas)					
Inlet Gas Coalescing Filter, F-900, 2' Dia. x 4' H. A/N 425913 487549	D195				I30.1
Glycol Contact Tower, T-900, 1' - 2" Dia. x 29' H., Packed Column, with integral bottom scrubber and wire mesh screen A/N 425913 487549	D196				I30.1
Emmy Gas Coalescing Filter, F-904, 2' Dia. x 8' H. A/N 425913 487549	D197				I30.1

A/Nos. 487551, 487552, 487556

A/Nos 434611, 434612, 436452

Alter the existing Di-Ethanol Amine Unit [Process 1, System 9, (P/O No. F87069, A/N 434611), Amine Re-Boiler (P/O F87070, A/N 434612 and the Thermal Oxidizer (P/O No. 87072, A/N 436452)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

Please see equipment description on the next page.

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Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 9: Di-Ethanol Amine Unit (CO₂ Removal)					
Filter, F-1001, Inlet Gas Coalescer, 9" Dia. x 6' - 9" H. with PRV set at 350 psig, venting to APC System A/N 434614 487551	D199	D131			I30-1
Tower, T-1006, Amine Contactor, 2' Dia. x 20' H., Packed Column, with PRV set at 350 psig, venting to APC System A/N 434614 487551	D201	D131			D12.2, D90.1, I30-1
Vessel, V-1003, Amine Flash Tank, 3' - 6" Dia. x 10' H., with PRV set at 100 psig, venting to APC System A/N 434614 487551	D204	D131			D12.3, D90.2, I30-1
Filter, F-1003, Particulate Filter, 3' Dia. x 4' H., with PRV set at 100 psig, venting to closed drain header A/N 434614 487551	D205				I30-1
Filter, F-1004, Charcoal Filter, 2' - 6" Dia. x 8' H., 1,030 lbs charcoal With PRV set at 250 psig venting to closed drain header A/N 434614 487551	D206				I30-1
Heat Exchanger, E-1002, Lean/Rich Amine Exchanger, Shell and Tube Type, Duty 0.74 mmbtu/hr A/N 434611	D207				I30-1
Tower, T-1007, Amine Regenerator, 2' Dia. x 28' H., Packed Column, with PRV set at 50 psig venting to the atmosphere A/N 434614 487551	D208				I30-1

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SECTION- D:- Permit to Operate

Equipment	Id No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 1: CRUDE OIL/GAS PRODUCTION					
System 9: Di-Ethanol/Amine Unit (CO₂ Removal)					
Heater, V-1007, Amine Reboiler, 4' Dia. x 30' L, Maxon Model: MPBC4RSFNAAA, Natural Gas Fueled, 2.7 mmbtu/hr capacity A/N 434612 487552	D209		NOx: Process Unit	NOx: 38.46 lbs/mmcf (1) [R-2012]; NOx: 12 ppm (4) [R-2005]; CO: 50 ppm (4) R-1303[]	A195.1, A195.2, I30.1, I296.2
Heat Exchanger, E-1003, Amine Regenerator Overhead Condenser, Air Cooled, Duty 0.68 mmbtu/hr Venting acid gas to V-1005 A/N 434611 487551	D210				I30.1
Vessel, V-1005, Regenerator Overhead Reflux Accumulator, 13" Dia. x 7' H A/N 434611 487551	D211	C213			D12.4, E175.1, I30.1
Heat Exchanger, E-1001, Lean Amine Cooler, Air Cooled, Duty 0.95 mmbtu/hr A/N 434611 487551	D212				I30.1
Thermal Oxidizer, HT-1000, , F. I. Combustion Systems, Model No. Firecat #2.2.1, Natural Gas Fueled, 2.0 mmbtu/hr capacity A/N 436452 487556	C213	D211	NOx: Process Unit	NOx: 130 lbs/mmcf (1) [R-2012]	A195.3, C6.3, C8.4, I30.1, I296.1
Tank, T-1000, Amine Make-up Solution, Capacity 1000 gallons, with PRV vented to atmosphere A/N 434611 487551	D214				I30.1

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Delete Process 4, Soil Vapor Extraction [devices C156 and C157] as all related items are removed from service. Aera had filed an application for this purpose which was rejected (no need to file an application for the equipment removal).

A/N 487558

A/N 443091

Alter the existing Flare permit [Process 5 (P/O No. F87068, A/N 443091)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

SECTION- D:- Permit to Operate

Equipment	Id. No.	Connected to	REG/ALM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 5: Flare					
Knockout Pot, V-1, Flare Knockout Drum (pressure Vessel) A/N 443091 487558	D131	D199, D201, D204			I30.1
Vessel, V-2, Water Seal Drum A/N 443091 487558	D132	C81			I30.1
Flare, Ground Flare, H-1, Process Gas, Diameter: 20 Ft. 10 inch.; Height 40 ft. Serving facility's Pressure Relief Header A/N 443091 487558	C81	D132	CO: 2000 ppmv (5) [Rule 407]; PM: (9) [Rule 404]; PM: 0.01 grain/scf (5) [Rule 409]		I30.1, D12.5

A/Nos. 487560-561

A/N 407975, 407986

Alter the existing Platform Emmy Vent Scrubbers' permit [Process 7 (P/O Nos. F90351, A/N 407975 and F90349, A/N 407986)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

Please see equipment description on the next page.

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SECTION- D:- Permit to Operate

Equipment	ID No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Conditions
Process 7: Platform Emmy Vent Scrubber					
Carbon Filter, T-210A, Cameron Environmental, KOH Impregnated Activated Carbon, Model 1500R, Venting to Atmospheric Vent Pole, Height 7' - 7", Dia. 4'	C164				E224.1, K67.4, I30.1
A/N 407975 487560					
Carbon Filter, T-210B, Cameron Environmental, KOH Impregnated Activated Carbon, Model 1500R, Venting to Atmospheric Vent Pole, Height 7' - 7", Dia. 4'	C165				E224.1, K67.4, I30.1
A/N 407986 487561					

A/Nos. **487562**

A/N 392592

Alter the existing Tank Truck Loading permit [Process 8 (P/O Nos. F83955, A/N 392592)] by removing permit condition I30.1 as Aera is now a Title V facility. This is an Admin. type change.

SECTION- D:- Permit to Operate

Equipment	ID No.	Connected to	RECLAIM Source Type/Monitoring Unit	Emissions & Requirements	Condition
PROCESS 8:- PETROLEUM MARKETING (Tank Truck Loading)					
Bottom Loading Arm, with 2 Hoses, each. 3" Dia. and with 3" Drip-Dry shut-off valve	D166			VOC: 0.08 lb/1000 gal	C1.4, C1.5, E71.1, E147.1, H23.9, I30.1, K67.3
A/N 392592 487562					
Vapor Return Line, two 3" hoses with Quick Disconnect, Venting to Vapor Recovery System	D167				C6.4, E57.2, I30.1
A/N 392592 487562					

A/N 487563 is field to amend the facility permit per above admin. corrections.

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BACKGROUND:

Aera Energy operates the crude oil and gas production facility at the above location and has filed the above described several applications for admin. corrections of the various existing permit units by deleting some equipment from few permit units and deletion of condition I30.1 as Aera is now a Title V facility. These are Class III applications and all affected P/Os will be updated as shown above.

PROCESS DESCRIPTION:

There is no change in process as the proposed corrections are of admin. types.

EMISSION CALCULATIONS:

All permit units emissions will be the same as there is no change in equipment operation or their hours of operation.

RULES EVALUATION:

- CEQA:** The proposed permit unit modifications are of admin. types and there is no change in emissions. Review of the 400 – CEQA Form indicates that there is no need for further CEQA analysis.
- RULE 212:** **STANDARDS FOR APPROVING PERMITS:** There is no change in emissions of the admin. modified permit units and also, this facility is not located within 1000 feet from the outer boundary of a school. Thus, no public notice is required.
- RULE 401:** ✓ **VISIBLE EMISSIONS:** With proper operation visible emissions are not expected.
- RULE 402:** ✓ **NUISANCE:** With proper operation, nuisance complaints are not expected.
- RULE 463:** ✓ All required fixed roof tanks are connected to vapor recovery system as per R-463 (c) (3).
- RULE 1113:** ✓ Compliance is expected.
- RULE 1173:** ✓ Aera Energy employs required inspection and maintenance and records keeping program for all applicable fugitive components.

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- RULE 1176:** ✓ There are no primary or secondary sumps or open wastewater separators at this facility.
- REG XIII:** NEW SOURCE REVIEW: The proposed modifications of the various permit units do not result in any emission increase. Thus, Reg. XIII is not triggered.
- RULE 1401:** ✓ NEW SOURCE REVIEW OF CARCINOGENIC AIR CONTAMINANTS: Since there is no change in emissions of the toxicants, Rule 1401 analysis is not triggered.
- Reg. XVII:** Prevention of Significant Deterioration
The proposed amendment is of admin. type and there is no change in emissions of PSD related pollutants. Thus, PSD analysis is not triggered.
- Rule 2004:** ✓ The facility is in NOx RECLAIM Cycle 1, rule compliance is expected.
- Rule 2005:** ✓ The proposed amendment is of admin. type and there is no change in emissions of any RECLAIM pollutant.
- Rule 2012:** ✓ The facility is in NOx RECLAIM and is complying with all monitoring, reporting and record keeping requirements of this rule. Compliance is expected. Proposed alterations do not impact rule compliance.
- Reg. XXX:** *R 3000* Aera Energy is a Title V facility and the proposed modifications of the several permit units are of admin. type as per R-3000 (b)(1)(F). Thus, Aera has submitted A/N 487563 to amend their Title V permit as per R-3003 (i)(4)(A). This being an admin. type permit revision, public participation under R-3006 is not required as shown under R-3003(i)(4)(B) requirements. Aera Energy's facility is not located within 50 miles of a nearby state and thus no notification is required as shown under R-3003 (i)(4)(C).
- Reg. XXX:** As stated under R-3003 (i)(4)(D), Aera's facility permit conditions provide for compliance with all regulatory requirements,
- R-3003 (j):** Since this being an admin. type Title V permit modification, EPA review, as stated in R-3003 (j)(1)(A), is not required..
- R-3003(m):** Aera's facility is not located within 50 miles of a nearby state.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION EVALUATION AND CALCULATIONS	No. of Pages 19	Page No. 19
	Appl. No. 487541-563	Date May 4, 09
	Energy Team	Approved by:
	C. S. Bhatt	

R-3006: public participation is not required as this modification is exempt under rule subsection (b).

RECOMMENDATION AND PERMIT CONDITIONS:

The admin. corrections of the permit units will continue to operate in compliance with all applicable Rules and Regulations of the South Coast Air Quality Management District. A revised Title V Permit is recommended, subject to the following listed conditions:

- PERMIT CONDITIONS -

The following conditions from RECLAIM Condition Library will be added/updated to the facility's permit.

E57.1 The operator shall vent this equipment to vapor recovery system whenever this equipment is operating. [R-1303 BACT]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations. [R-1303-BACT]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

<u>Contaminant</u>	<u>Rule</u>	<u>Rule/Subpart</u>
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	464
VOC	District Rule	1173

[R-463, R-464, R-1149, R-1173]

~~I30.1 In accordance with Rule 3002 (a)(3), the permit for this equipment is being issued as a non-Title V permit. The facility permit holder shall file an application for a Title V permit revision for this equipment within 90 days of the issuance of the facility's initial Title V permit.~~

Please see the facility permit for detailed permit condition description.

C:/Aera-Energy-104017-487541-563-cog-sep-wwtr-gas-proce-DEA-flare-units-admin-correct-po.doc

SCAQMD PERMIT PROCESSING SYSTEM (PPS)

AEIS DATA SHEET

Company Name : AERA ENERGY LLC
 Equipment Address : 20101 GOLDENWEST ST
 HUNTINGTON BEACH CA 92648

Facility ID : 104017

Application Number : 487556
 Estimated Completion Date : 05/14/09
 Equipment Type : Control
 Equipment Description : TAIL GAS INCINERATOR

Equipment B-Cat :
 Equipment C-Cat : 96

Emittants	Emissions	
	R1 LB/HR	R2 LB/HR
CO	0.14	0.14
NOX	0.07	0.07
PM10	0.01	0.01
ROG	0.01	0.01
SOX	0.01	0.01

Applicable Rules

1173	02/06/2009	Fugitive Emissions of VOC
1401	03/07/2008	New Source Review of Toxic Air Contaminants
2001	05/06/2005	Applicability (RECLAIM)
2002	01/07/2005	Allocations for NOx and SOx (RECLAIM)
2004	04/06/2007	Requirements
2005	05/06/2005	New Source Review for RECLAIM
2012	05/06/2005	Requirements of MRR for NOx Emissions (RECLAIM)
401	11/09/2001	Visible Emissions
402	05/07/1976	Nuisance
431.1	06/12/1998	Sulfur Content of Gaseous Fuels

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Daily Start Times :	00:00	00:00	00:00	00:00	00:00	00:00	00:00
Daily Stop Times :	24:00	24:00	24:00	24:00	24:00	24:00	24:00

User's Initials : CB05 Date: 05/14/09 Supervisor's Name : _____ Review Date : ____ / ____ / ____

NSR DATA SUMMARY SHEET

Application No: 487556
Application Type: Change of Conditions: No Engineering Evaluation/Ad
Application Status: PENDAPPRV
Previous Apps,Dev,Permit #: 436452, 0 - , NONE

Company Name: AERA ENERGY LLC
Company ID: 104017
Address: 20101 GOLDENWEST ST,HUNTINGTON BEACH, CA
RECLAIM: NOX
RECLAIM Zone: 01
Air Basin: SC
Zone: 18
Title V: YES

Device ID: 0 -
Estimated Completion Date: 03-31-2009
Heat Input Capacity: 2 Million BTU/hr
Priority Reserve: NONE - No Priority Access Requested
Recommended Disposition: 31 - PERMIT TO OPERATE GRANTED
PR Expiration:
School Within 1000 Feet: NO
Operating Weeks Per Year: 52
Operating Days Per Week: 7
Monday Operating Hours: 00:00 to 24:00
Tuesday Operating Hours: 00:00 to 24:00
Wednesday Operating Hours: 00:00 to 24:00
Thursday Operating Hours: 00:00 to 24:00
Friday Operating Hours: 00:00 to 24:00
Saturday Operating Hours: 00:00 to 24:00
Sunday Operating Hours: 00:00 to 24:00

Emittant: ACETALDEEH

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: .000206833

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.0000085 lbs/hr

Max Daily: 0.000204 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.0000085 lbs/hr

Max Daily: 0.000204 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0.000206833 lbs/day

Annual Emission: 0.074256 lbs/yr

District Exemption: None

Emittant: ACROLEIN

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: .000128967

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.0000053 lbs/hr

Max Daily: 0.0001272 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.0000053 lbs/hr

Max Daily: 0.0001272 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0.000128967 lbs/day

Annual Emission: 0.046301 lbs/yr

District Exemption: None

Emittant: BENZENE

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: .000384467

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.0000158 lbs/hr

Max Daily: 0.0003792 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.0000158 lbs/hr

Max Daily: 0.0003792 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0.000384467 lbs/day

Annual Emission: 0.138029 lbs/yr

District Exemption: None

Emittant: CO
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.14 lbs/hr
Max Daily: 3.36 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.14 lbs/hr
Max Daily: 3.36 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 3 lbs/day
Annual Emission: 1223.04 lbs/yr
District Exemption: None

Emittant: ETHYLBENZ
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: .000455033
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.0000187 lbs/hr
Max Daily: 0.0004488 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.0000187 lbs/hr
Max Daily: 0.0004488 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0.000455033 lbs/day
Annual Emission: 0.163363 lbs/yr
District Exemption: None

Emittant: FORMALDEHY
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: .000815167
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.0000335 lbs/hr
Max Daily: 0.000804 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.0000335 lbs/hr
Max Daily: 0.000804 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0.000815167 lbs/day
Annual Emission: 0.292656 lbs/yr
District Exemption: None

Emittant: NAPHTHAL
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: .0000146
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.0000006 lbs/hr
Max Daily: 0.0000144 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.0000006 lbs/hr
Max Daily: 0.0000144 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0.0000146 lbs/day
Annual Emission: 0.005242 lbs/yr
District Exemption: None

Emittant: NOX
BACT:
Cost Effectiveness: NO
Source Type: MAJOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.07 lbs/hr
Max Daily: 1.68 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.07 lbs/hr
Max Daily: 1.68 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 2 lbs/day
Annual Emission: 611.52 lbs/yr
District Exemption: None

Emittant: PAH_WOCOMP
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: .000004867
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.0000002 lbs/hr
Max Daily: 0.0000048 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.0000002 lbs/hr
Max Daily: 0.0000048 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0.000004867 lbs/day
Annual Emission: 0.001747 lbs/yr
District Exemption: None

Emittant: PM10

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: 0

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.01 lbs/hr

Max Daily: 0.24 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.01 lbs/hr

Max Daily: 0.24 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0 lbs/day

Annual Emission: 130 lbs/yr

District Exemption: None

Emittant: ROG

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: 0

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.01 lbs/hr

Max Daily: 0.24 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.01 lbs/hr

Max Daily: 0.24 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0 lbs/day

Annual Emission: 121 lbs/yr

District Exemption: None

Emittant: SOX

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: 0

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0 lbs/hr

Max Daily: 0 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0 lbs/hr

Max Daily: 0 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0 lbs/day

Annual Emission: 0 lbs/yr

District Exemption: None

Emittant: TOLUENE

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: .001754433

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.0000721 lbs/hr

Max Daily: 0.0017304 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.0000721 lbs/hr

Max Daily: 0.0017304 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0.001754433 lbs/day

Annual Emission: 0.629866 lbs/yr

District Exemption: None

Emittant: XYLENES

BACT:

Cost Effectiveness: NO

Source Type: MINOR

Emis Increase: .001304267

Modeling: N/A

Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0.0000536 lbs/hr

Max Daily: 0.0012864 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0.0000536 lbs/hr

Max Daily: 0.0012864 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0.001304267 lbs/day

Annual Emission: 0.46825 lbs/yr

District Exemption: None

SUPERVISOR'S APPROVAL: _____ SUPERVISOR'S REVIEW DATE: _____

Processed By: chandrab 5/14/2009 5:18:14 PM

11/4/2008

SUSAN PERRELL
AERA ENERGY LLC
20101 GOLDEN WEST ST
HUNTINGTON BEACH, CA 92648

Facility ID: 104017

Located at: 20101 GOLDENWEST ST, HUNTINGTON BEACH

Thank you for filing your application(s) with the South Coast Air Quality Management District (AQMD).

The application number(s) assigned by AQMD to your application package(s) is/are on Page 2 of this letter. Please refer to the information on Page 2 when contacting AQMD for assistance. The information you submitted with your application(s) or in your latest submittal is complete to the extent that allows us to begin processing of your application(s), however some clarifying data may still be needed. The acceptance of your application(s) does not imply that permit(s) has/have been approved. The engineer assigned to process your application(s), as indicated below, may contact you if additional information is required.

If you have any question or need additional information about your application(s), please contact the engineer listed below:

Engineer: C S Bhatt

Telephone: (909) 396 - 2653

For general information about AQMD's permitting process, please call (909) 396-2468.

cc: Application file(s)

AQMD PERMIT APPLICATION INFORMATION

(Please refer to this information when contacting AQMD for Assistance)

11/4/2008

Facility ID: 104017

Application Number(s)	Equipment Description
487541	Crude Oil/Gas/Water Separation >=400 BPD
487542	WASTE WATER TREATING (>50000 GAL/DAY)
487545	NATURAL GAS DRYING
487547	SCRUBBER CHEMICAL M.S.
487548	NATURAL GAS STABILIZATION UNIT
487549	NATURAL GAS DRYING
487551	GAS PLANT
487552	HEATER/FURNACE (<5 MMBTU/HR) NAT GAS
487556	TAIL GAS INCINERATOR
487558	FLARE, OTHER
487560	Activated Carbon Adsorber Drum Vent s.s.
487561	Activated Carbon Adsorber Drum Vent s.s.
487562	BULK LOAD TERMINAL REC PIPELINE CRUDE
487563	TITLE V PERMIT ADMIN-AMENDMENT

APPLICATION EMISSION INQUIRY
FACILITY : 104017

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	APPL_ID	EMI_ID	A	MEAS	EMI_AMT	EMI_AMT	EMI_AMT	APRO	APPROV_D
1	487556	0	ACETALDEEH	31	AV30	.000206833	05-14-2009	chandrab	johny 05-27-2009
2	487556	0	ACETALDEEH	31	R1DY	.000204	05-14-2009	chandrab	johny 05-27-2009
3	487556	0	ACETALDEEH	31	R1HR	.0000085	05-14-2009	chandrab	johny 05-27-2009
4	487556	0	ACETALDEEH	31	R2DY	.000204	05-14-2009	chandrab	johny 05-27-2009
5	487556	0	ACETALDEEH	31	R2HR	.0000085	05-14-2009	chandrab	johny 05-27-2009
6	487556	0	ACETALDEEH	31	RACT	.000206833	05-14-2009	chandrab	johny 05-27-2009
7	487556	0	ACETALDEEH	31	YRLY	.074256	05-14-2009	chandrab	johny 05-27-2009
8	487556	0	ACROLEIN	31	AV30	.000128967	05-14-2009	chandrab	johny 05-27-2009
9	487556	0	ACROLEIN	31	R1DY	.0001272	05-14-2009	chandrab	johny 05-27-2009
10	487556	0	ACROLEIN	31	R1HR	.0000053	05-14-2009	chandrab	johny 05-27-2009
11	487556	0	ACROLEIN	31	R2DY	.0001272	05-14-2009	chandrab	johny 05-27-2009
12	487556	0	ACROLEIN	31	R2HR	.0000053	05-14-2009	chandrab	johny 05-27-2009
13	487556	0	ACROLEIN	31	RACT	.000128967	05-14-2009	chandrab	johny 05-27-2009
14	487556	0	ACROLEIN	31	YRLY	.046301	05-14-2009	chandrab	johny 05-27-2009
15	487556	0	BENZENE	31	AV30	.000384467	05-14-2009	chandrab	johny 05-27-2009
16	487556	0	BENZENE	31	R1DY	.0003792	05-14-2009	chandrab	johny 05-27-2009
17	487556	0	BENZENE	31	R1HR	.0000158	05-14-2009	chandrab	johny 05-27-2009
18	487556	0	BENZENE	31	R2DY	.0003792	05-14-2009	chandrab	johny 05-27-2009
19	487556	0	BENZENE	31	R2HR	.0000158	05-14-2009	chandrab	johny 05-27-2009
20	487556	0	BENZENE	31	RACT	.000384467	05-14-2009	chandrab	johny 05-27-2009
21	487556	0	BENZENE	31	YRLY	.138029	05-14-2009	chandrab	johny 05-27-2009
22	487556	0	CO	31	AV30	3	05-14-2009	chandrab	johny 05-27-2009
23	487556	0	CO	31	R1	.14	05-14-2009	chandrab	johny 05-27-2009
24	487556	0	CO	31	R1DY	3.36	05-14-2009	chandrab	johny 05-27-2009
25	487556	0	CO	31	R1HR	.14	05-14-2009	chandrab	johny 05-27-2009
26	487556	0	CO	31	R2	.14	05-14-2009	chandrab	johny 05-27-2009
27	487556	0	CO	31	R2DY	3.36	05-14-2009	chandrab	johny 05-27-2009
28	487556	0	CO	31	R2HR	.14	05-14-2009	chandrab	johny 05-27-2009
29	487556	0	CO	31	RACT	3	05-14-2009	chandrab	johny 05-27-2009
30	487556	0	CO	31	YRLY	1223.04	05-14-2009	chandrab	johny 05-27-2009
31	487556	0	ETHYLBENZ	31	AV30	.000455033	05-14-2009	chandrab	johny 05-27-2009
32	487556	0	ETHYLBENZ	31	R1DY	.0004488	05-14-2009	chandrab	johny 05-27-2009
33	487556	0	ETHYLBENZ	31	R1HR	.0000187	05-14-2009	chandrab	johny 05-27-2009
34	487556	0	ETHYLBENZ	31	R2DY	.0004488	05-14-2009	chandrab	johny 05-27-2009
35	487556	0	ETHYLBENZ	31	R2HR	.0000187	05-14-2009	chandrab	johny 05-27-2009
36	487556	0	ETHYLBENZ	31	RACT	.000455033	05-14-2009	chandrab	johny 05-27-2009
37	487556	0	ETHYLBENZ	31	YRLY	.163363	05-14-2009	chandrab	johny 05-27-2009
38	487556	0	FORMALDEHY	31	AV30	.000815167	05-14-2009	chandrab	johny 05-27-2009
39	487556	0	FORMALDEHY	31	R1DY	.000804	05-14-2009	chandrab	johny 05-27-2009
40	487556	0	FORMALDEHY	31	R1HR	.0000335	05-14-2009	chandrab	johny 05-27-2009
41	487556	0	FORMALDEHY	31	R2DY	.000804	05-14-2009	chandrab	johny 05-27-2009
42	487556	0	FORMALDEHY	31	R2HR	.0000335	05-14-2009	chandrab	johny 05-27-2009
43	487556	0	FORMALDEHY	31	RACT	.000815167	05-14-2009	chandrab	johny 05-27-2009
44	487556	0	FORMALDEHY	31	YRLY	.292656	05-14-2009	chandrab	johny 05-27-2009
45	487556	0	NAPHTHAL	31	AV30	.0000146	05-14-2009	chandrab	johny 05-27-2009
46	487556	0	NAPHTHAL	31	R1DY	.0000144	05-14-2009	chandrab	johny 05-27-2009
47	487556	0	NAPHTHAL	31	R1HR	.0000006	05-14-2009	chandrab	johny 05-27-2009
48	487556	0	NAPHTHAL	31	R2DY	.0000144	05-14-2009	chandrab	johny 05-27-2009
49	487556	0	NAPHTHAL	31	R2HR	.0000006	05-14-2009	chandrab	johny 05-27-2009

24,7,52

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APPLICATION EMISSION INQUIRY
FACILITY : 104017

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	APPL	D	EMI ID	A	MEAS	EMI AMT	EMI AMT	EMI AMT	APRO	APROV D
50	487556	0	NAPHTHAL	31	RACT	.0000146	05-14-2009	chandrab	johny	05-27-2009
51	487556	0	NAPHTHAL	31	YRLY	.005242	05-14-2009	chandrab	johny	05-27-2009
52	487556	0	NOX	31	AV30	2	05-14-2009	chandrab	johny	05-27-2009
53	487556	0	NOX	31	R1	.07	05-14-2009	chandrab	johny	05-27-2009
54	487556	0	NOX	31	R1DY	1.68	05-14-2009	chandrab	johny	05-27-2009
55	487556	0	NOX	31	R1HR	.07	05-14-2009	chandrab	johny	05-27-2009
56	487556	0	NOX	31	R2	.07	05-14-2009	chandrab	johny	05-27-2009
57	487556	0	NOX	31	R2DY	1.68	05-14-2009	chandrab	johny	05-27-2009
58	487556	0	NOX	31	R2HR	.07	05-14-2009	chandrab	johny	05-27-2009
59	487556	0	NOX	31	RACT	2	05-14-2009	chandrab	johny	05-27-2009
60	487556	0	NOX	31	YRLY	611.52	05-14-2009	chandrab	johny	05-27-2009
61	487556	0	PAH_WOCOMP	31	AV30	.000004867	05-14-2009	chandrab	johny	05-27-2009
62	487556	0	PAH_WOCOMP	31	R1DY	.0000048	05-14-2009	chandrab	johny	05-27-2009
63	487556	0	PAH_WOCOMP	31	R1HR	.0000002	05-14-2009	chandrab	johny	05-27-2009
64	487556	0	PAH_WOCOMP	31	R2DY	.0000048	05-14-2009	chandrab	johny	05-27-2009
65	487556	0	PAH_WOCOMP	31	R2HR	.0000002	05-14-2009	chandrab	johny	05-27-2009
66	487556	0	PAH_WOCOMP	31	RACT	.000004867	05-14-2009	chandrab	johny	05-27-2009
67	487556	0	PAH_WOCOMP	31	YRLY	.001747	05-14-2009	chandrab	johny	05-27-2009
68	487556	0	PM10	31	AV30	0	05-14-2009	chandrab	johny	05-27-2009
69	487556	0	PM10	31	R1	.01	05-14-2009	chandrab	johny	05-27-2009
70	487556	0	PM10	31	R1DY	.24	05-14-2009	chandrab	johny	05-27-2009
71	487556	0	PM10	31	R1HR	.01	05-14-2009	chandrab	johny	05-27-2009
72	487556	0	PM10	31	R2	.01	05-14-2009	chandrab	johny	05-27-2009
73	487556	0	PM10	31	R2DY	.24	05-14-2009	chandrab	johny	05-27-2009
74	487556	0	PM10	31	R2HR	.01	05-14-2009	chandrab	johny	05-27-2009
75	487556	0	PM10	31	RACT	0	05-14-2009	chandrab	johny	05-27-2009
76	487556	0	PM10	31	YRLY	130	05-14-2009	chandrab	johny	05-27-2009
77	487556	0	ROG	31	AV30	0	05-14-2009	chandrab	johny	05-27-2009
78	487556	0	ROG	31	R1	.01	05-14-2009	chandrab	johny	05-27-2009
79	487556	0	ROG	31	R1DY	.24	05-14-2009	chandrab	johny	05-27-2009
80	487556	0	ROG	31	R1HR	.01	05-14-2009	chandrab	johny	05-27-2009
81	487556	0	ROG	31	R2	.01	05-14-2009	chandrab	johny	05-27-2009
82	487556	0	ROG	31	R2DY	.24	05-14-2009	chandrab	johny	05-27-2009
83	487556	0	ROG	31	R2HR	.01	05-14-2009	chandrab	johny	05-27-2009
84	487556	0	ROG	31	RACT	0	05-14-2009	chandrab	johny	05-27-2009
85	487556	0	ROG	31	YRLY	121	05-14-2009	chandrab	johny	05-27-2009
86	487556	0	SOX	31	AV30	0	05-14-2009	chandrab	johny	05-27-2009
87	487556	0	SOX	31	R1	.01	05-14-2009	chandrab	johny	05-27-2009
88	487556	0	SOX	31	R1DY	0	05-14-2009	chandrab	johny	05-27-2009
89	487556	0	SOX	31	R1HR	0	05-14-2009	chandrab	johny	05-27-2009
90	487556	0	SOX	31	R2	.01	05-14-2009	chandrab	johny	05-27-2009
91	487556	0	SOX	31	R2DY	0	05-14-2009	chandrab	johny	05-27-2009
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94	487556	0	SOX	31	YRLY	0	05-14-2009	chandrab	johny	05-27-2009
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	APPL_ID	EMI_ID	A	MEAS	EMI_AMT	EMI_AMT	EMI_AMT	APPRO	APPROV_D
99	487556 0	TOLUENE	31	R2HR	.0000721	05-14-2009	chandrab	johny	05-27-2009
100	487556 0	TOLUENE	31	RACT	.001754433	05-14-2009	chandrab	johny	05-27-2009
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108	487556 0	XYLENES	31	YRLY	.46825	05-14-2009	chandrab	johny	05-27-2009

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